

# Field of the Invention

The invention relates to a method for transmitting service data in telecommunication systems with wireless telecommunication based on a predefined radio interface protocol between telecommunication devices, especially voice data and/or packet data in DECT systems;

above line 7, insert

## --Description of the Related Art--;

in line 10, replace ", in which devices" with -. In these devices:--

in line 16, replace the last "the" with -a-;

in line 18, after "methods", insert -such as-; and

in line 20, after "e.g.", insert -,.

## On page 2:

in lines 3-4, replace ", that is to say the same information," with -(i.e., the same information)-;

in line 6, after "transmitted", insert -:-;

in line 12, replace "..." with -through-;

in line 14, replace "," with -and-; and

in line 22, after "e.g.", insert -,.-.

## On page 3:

in line 1, replace "source and data sink" with -sources and data sinks.-;

in line 2, replace "and" with -These-, and cancel ",";

in line 3, cancel ", respectively,";

in line 4, before "scenario", insert -which is the-;

in line 5, after "data)", insert -and-; and

in line 6, after "e.g.", insert -,.-.

On page 4, in line 4, replace "e.g." with -, e.g.,-.

**On page 5:**

in line 2, before "a service", insert -of-, and replace "e.g." with -, e.g.,-;  
in line 4, replace "SDU 3" with -SDU3-;  
in line 7, after "example", insert --, and after "as", insert -a-;  
in line 8, cancel ", respectively,";  
in line 9, cancel ", respectively,";  
in line 20, replace "..." with -through-; and  
in line 23, replace "..." with -through-.

**On page 6:**

in line 16, replace "So" with The information field INF containing the  
information items IN1 through IN3 is provided after the header part ELT, so-;  
in lines 20-21, cancel ", respectively,";  
in line 22, cancel ", respectively,";  
in line 23, replace ", the information field" with -.-;  
cancel lines 24-25.

**On page 7,** in line 9, after "as", insert -an-; and replace "()" with  
-parentheses-;

**On page 8:**

in line 7, replace "that is to say not decreased," with -i.e., not decreased.  
It is maintained-;  
in line 23, replace "So" with The information field INF containing the  
information items IN1 through IN3 is provided after the header part ELT, so-;  
in line 24, after "(detect)", insert -: 1)-; and  
in line 25, after "is", insert -.-.

**On page 9:**

- in line 1, after "and", insert -2)-;
- in line 2, after "represent", insert -a)-;
- in lines 2-3, replace "or, respectively" with -b)-;
- 5 in line 4, replace "or" with -, c)-, and replace ", respectively," with -d)-;
- in line 5, replace ", the information" with -.-;
- cancel lines 6-7;
- in line 12, replace "IN2" with -IN2-;
- in line 16, after "as", insert -an-; and
- 10 in line 22, after "above", insert -is-.

**On page 10:**

in line 11, replace "So" with The information field INF containing the information items IN1 through IN3 is provided after the header part ELT, so-;

- in line 13, after "(detect)", insert -: 1)-;
- 15 in line 14, replace "and" with -, and 2)-;
- in line 14, after "represent", insert -a)-;
- in line 16, replace "or, respectively" with -b)-;
- in line 17, replace "or" with -, c)-;
- in line 18, replace ", respectively," with -d)-;
- 20 replace lines 19-21 with -data unit SDU3.-;
- in line 24, cancel ". "; and
- in line 25, replace "IN3" with -IN3-.

**On page 11:**

- in line 4, replace "IN2" with -IN2-;
- 25 in line 5, replace " "O" " with -parentheses-- ;
- in line 19, after "SDU3", insert -.-;

in line 22, replace "()" with –parentheses–;  
in line 24, replace "....." with –through–; and  
in line 25, after "e.g.", insert –,–.

**On page 12:**

5 in line 3, replace "fact, firstly," with –following facts. First,–; and  
in line 9, replace "and that, secondly" with –. Second–.

**On substitute page 13:**

10 in line 12, replace "that is to say" with –i.e.,–;  
in line 15, cancel "is";  
in line 18, before "EP", insert –European Patent–, and cancel "A2"; and  
in line 19, replace "wherein" with –where–.

**On substitute page 13a:**

15 above line 13, insert  
--SUMMARY OF THE INVENTION--;  
in line 13, cancel "forming the basis";  
in line 18, replace "band width" with –bandwidth–; and  
replace line 20 with

---

+ This object is achieved by a method for transmitting service data in  
telecommunication systems with wireless telecommunication based on a  
20 predefined radio interface protocol between telecommunication devices,  
comprising the steps of:

(a) transmitting the service data in protocol data units predefined by the  
radio interface protocol;

25 (b) transmitting a service data unit configured at least as a fragment in  
each protocol data unit independently of the size of the service data unit, which is  
configured at least as a fragment, in comparison with the size of a free part of the  
each protocol data unit which is in each case not yet occupied by service data;

A 5  
cont.

(c) specifying, in each case, a service data length, which differs from the value "zero", of a respective the service data unit configured at least as a fragment, by a first information item allocated to the protocol data unit;

(d) specifying, in each case, an end of the respective service data unit by a second information item allocated to the protocol data unit;

(e) specifying, in each case, a non-end of the respective service data unit by a third information item allocated to the protocol data unit;

(f) specifying or allocating a fourth information item corresponding to the value "zero" of the service data length to the protocol data unit, together with the second information item in the protocol data unit when the transmission of service data is ended at least temporarily, especially within this protocol data unit. †

**On page 14:**

in line 1, replace "consists in" with -comprises-, and cancel "30";

in lines 15-16, cancel ", respectively,";

in line 18, replace "(this method)" with -/method-;

in line 19, cancel ", respectively,";

in line 20, replace "band width" with -bandwidth-;

in line 21, replace "e.g." with -, e.g.,-; and

in line 24, after "one", insert -absent the inventive method-.

**On page 15:**

replace lines 1-2 with

Advantageous further developments of the invention include a method that further transmits service data in a protected manner. A step may be provided of arranging the first information item, the second information item and the third information item in front of the service data unit, which is at least configured as a fragment, in the respective protocol data unit. Finally, the second information item may consist of the value "0" of a bit and the third information item may consist of the value "1" of the bit. The data in the telecommunication systems

A6  
concl-

may be voice or packet data in DECT systems.

above line 3, insert

**BRIEF DESCRIPTION OF THE DRAWINGS**

Figure 1 is a data structure timing diagram showing a basic service data transmission scenario; and

Figure 2 is a data structure timing diagram showing a service data transmission scenario according to the invention.

above line 5, insert

**--DESCRIPTION OF THE PREFERRED EMBODIMENTS--;**

in line 5, replace "means" with -way-;

replace line 6 with -not-to-scale representation, a service data-;

in line 8, replace ", for example" with -( for example,-;

in line 10, cancel "30", and cancel ",";

in line 11, cancel "respectively,", and replace ", e.g." with -) e.g.,-;

in line 20, after "different" insert -alternatives-, and after "which", insert -,-;

in line 21, replace "..." with -through-; and

in line 25, replace "..." with -through-.

**On page 16:**

in line 1, cancel "so-called";

in line 3, replace "..." with -through-;

in line 5, before "bit", insert -a-;

in line 7, replace "1N2" with -IN2-;

in line 8, replace "1N3" with -IN3-;

in line 23, replace "So" with -The information field INF containing the information items IN1 through IN3 is provided after the header part ELT, so-; and

in line 24, after "(detect)", insert -1).

A7

5

10

15

20

25

A8

**On page 17:**

in line 1, replace "is and" with -is, and 2)-;

in line 2, after "represent", insert -a)-;

in line 3, replace the first "or" with -, b)-, and replace the last "or" with

5 -, c)-;

in line 4, replace "respectively," with -d)-;

in line 5, replace "SDU4, the information field INF" with -SDU4.-;

cancel lines 6-7;

in line 12, replace "IN2" with -IN2-;

10 in line 16, after "as", insert -an-, and replace "()" " with -parentheses-;

and

in line 18, cancel "20".

**On page 18:**

in line 2, replace "..." with -through-;

15 in line 8, after "represent", insert -: a)-;

in line 9, replace "or, respectively," with -, b)-;

in line 10, replace "or" with -, c)-; and

in line 11, replace "respectively," with -d)-.

**On page 19:**

20 in line 3, replace "IN3" with -IN3-;

in line 7, replace "IN2" with -IN2-;

in line 8, replace "()" " with -parentheses-;

in line 24, replace "So" with -The information field INF containing the

A9 information items IN1 through IN3 is provided after the header part ELT, so-; and

25 in line 25, after "(detect)", insert -: 1)-.

**On page 20:**

in line 2, replace "and" with -, and 2)-;

5

in line 3, after "represent", insert -a)-;  
in line 4, replace "or, respectively," with -, b)-;  
in line 5, replace the first "or" with -, c)-;  
in lines 5-6, replace ", respectively," with -d)-;  
in line 6, replace the last ", the" with -. -;  
cancel lines 7-8;  
in line 15, replace "IN2" with -IN2-; and  
in line 20, replace "()" with -parentheses-.

10

**On page 21:**  
in line 6, replace "...IN3" with -- through IN3-;  
in line 12, after "represent", insert -a)-;  
in line 13, replace "or, respectively," with -, b)-;  
in line 14, replace "or" with -, c)-; and  
in line 15, replace "respectively," with -d)-.

15

**On page 22:**  
in line 7, replace "IN3" with -IN3-;  
in line 11, replace "IN2" with -IN2-; and  
in line 13, replace "()" with -parentheses-.

20

**On page 23:**  
in line 6, replace "So" with }-The information field INF containing the  
information items IN1 through IN3 is preferably provided after the header part  
ELT, so-;

A10

25

in line 7, after "(detect)", insert -: 1)-;  
in line 9, replace "and" with -, and 2)-;  
in line 10, after "represent", insert -a)-;  
in line 11, replace "or, respectively," with -, b)-;  
in line 12, replace "or" with -, c)-;